

Product Datasheet

Anti-HER2/neu [SER4] (orb669729)

Catalog Number	orb669729
Category	Antibodies
Description	Mouse monoclonal antibody to HER2
Target	HER2/neu
Clonality	Monoclonal
Species/Host	Mouse
Isotype	IgG1
Conjugation	Unconjugated
Reactivity	Human
Concentration	1 mg/ml
Buffer/Preservatives	PBS with 0.02% Proclin 300.
Purity	Purified
Immunogen	Recombinant HER2/neu.
UniProt ID	P04626
Tested applications	ELISA
Specificity	The antibody binds specifically to the extracellular domain of human ErbB-2.
Clone Number	SER4

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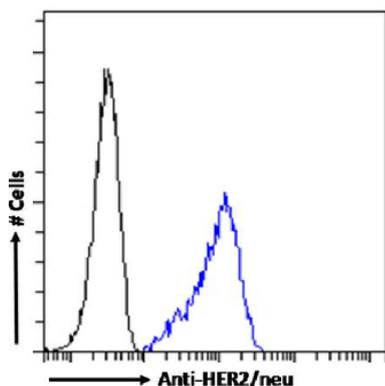
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Storage

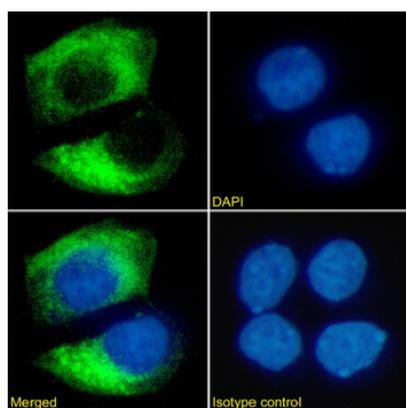
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Note

For research use only



Flow cytometry using the anti-HER2/neu antibody SER4. Paraformaldehyde fixed MCF7 cells were stained with anti-unknown specificity antibody (orb256449; isotype control, black line) or the mouse IgG1 version of SER4 (orb669729, blue line) at a dilution of 1:100 for 1h at RT. After washing, the bound antibody was detected using a goat anti-mouse IgG AlexaFluor® 488 antibody at a dilution of 1:1000 and cells analyzed using a FACSCanto flow-cytometer.



Immunofluorescence staining of MCF7 cells using anti-HER2/neu antibody SER4. Immunofluorescence analysis of paraformaldehyde fixed MCF7 cells stained with the chimeric mouse IgG version of SER4 (orb669729) at 10 µg/ml followed by Alexa Fluor® 488 secondary antibody (2 µg/ml), showing cytoplasmic staining. The nuclear stain is DAPI (blue). Panels show from left-right, top-bottom orb669729, DAPI, merged channels and an isotype control. The isotype control was stained with anti-unknown antibody (orb256449) followed by Alexa Fluor® 488 secondary antibody.



Western Blot using anti-HER2/neu antibody SER4. human breast cancer tissue lysate (35 µg protein in RIPA buffer) was resolved on an SDS PAGE gel and blots probed with the chimeric mouse IgG version of SER4 (orb669729) at 2 µg/ml before detection using an anti-mouse secondary antibody. A primary incubation of 1h was used and protein was detected by chemiluminescence.

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